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[Family Lookup](#)**JP61222940****OPTICAL FIBER****FURUKAWA ELECTRIC CO LTD:THE****Inventor(s): ;INO AKIRA ;ORIMO KATSUMI ;KOKAYU MIKIO ;TAMURA JUNICHI****Application No. 60065888 , Filed 19850329 , Published 19861003****Abstract:**

PURPOSE: At least one of the core and the clad of an optical fiber in which at least the core is composed of quartz is doped with GeO_2 and F to improve the hydrogen resistance and radiation resistance of the optical fiber.

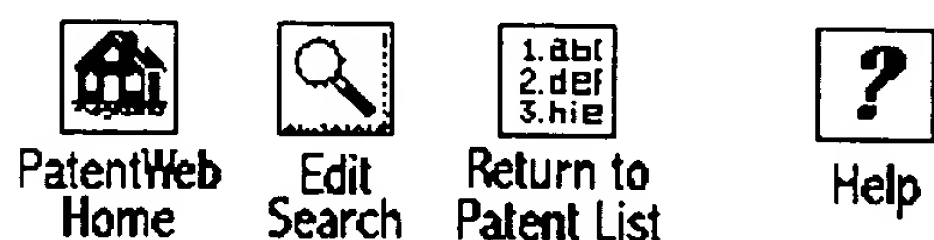
CONSTITUTION: In the above-mentioned doping, the concentration of GeO_2 is lower than 12mol% and the concentration molar ratio of GeO_2 to F is more than 4. The effect cited above is similarly obtained in an optical fiber which is composed of quartz in both the core and the clad.

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